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OCCUPATIONAL EMPLOYMENT AND WAGES IN BOSTON, MASSACHUSETTS, NOVEMBER 2004

Workers in the Boston metropolitan area¹ had an overall average (mean) hourly wage of \$23.50, about 31 percent above the national average of \$18.00, during November 2004 according to the U.S. Department of Labor's Bureau of Labor Statistics. Regional Commissioner Denis M. McSweeney also noted that all 22 major occupational groups showed a notably higher wage rate in the Boston area than they did nationally. Management and legal occupations were among the highest paid in Boston averaging between \$45 and \$50 an hour, while local construction and extraction jobs had one of the largest wage differentials, paying about 40 percent more than the nationwide average. (See chart 1 and table A.)

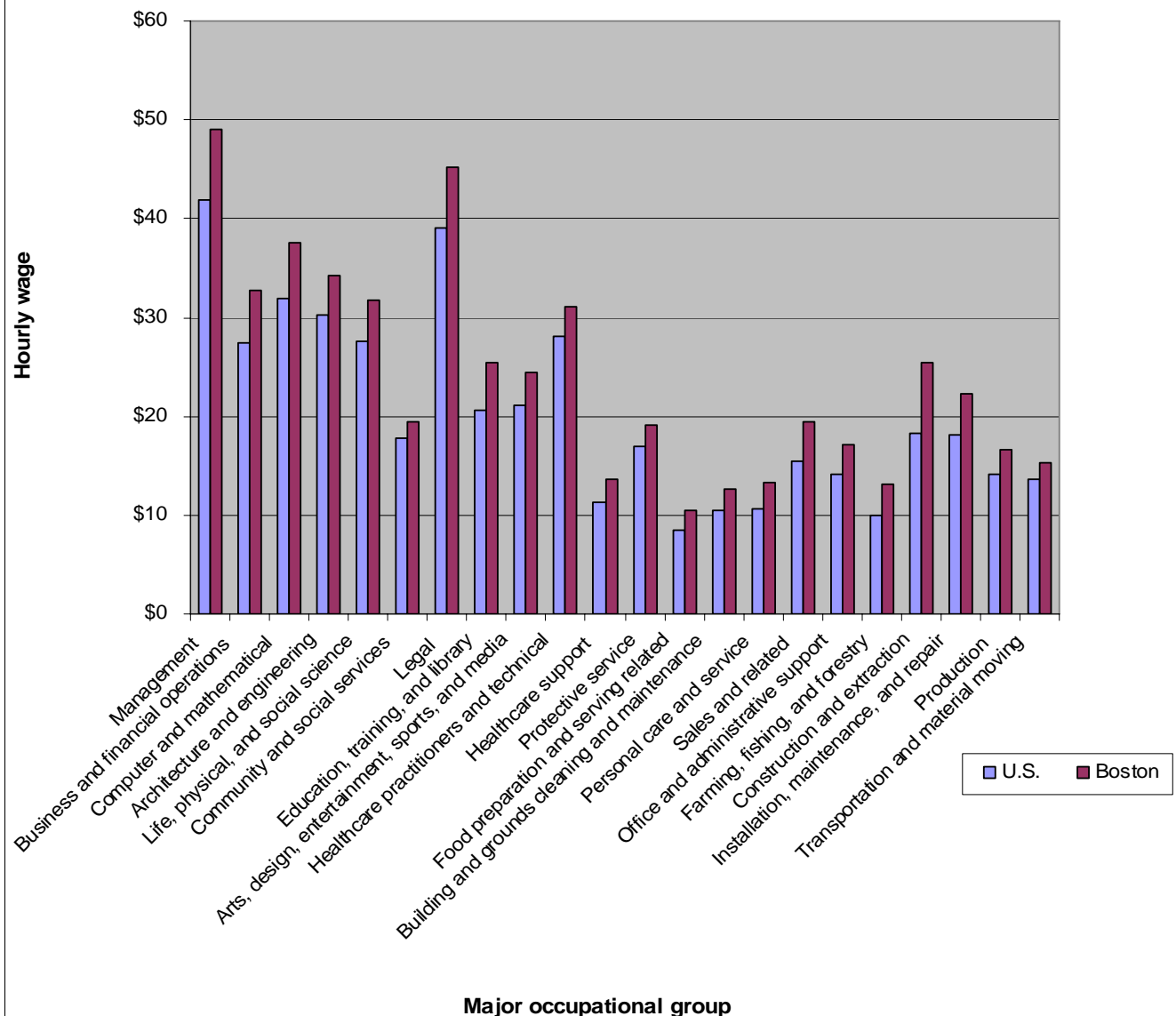
These estimates of employment and wages are from the Occupational Employment Statistics (OES) Survey, a federal-state cooperative survey that provides employment and hourly and annual wage estimates for 22 major occupational groups and up to 801 detailed occupations for the nation, the States, and for 334 metropolitan areas, including Boston, Massachusetts.

With more than 1.9 million employed in the Boston area, office and administrative support workers made up the largest occupational group accounting for almost 18 percent of the local workforce, about the same as the national share. (See chart 2.) All together, 10 of the 22 major occupation groups had an above-average presence in the Boston area when compared to the national distribution including 9 of the 10 managerial and professional specialty occupations², education, training, and library being the exception. The remaining occupational group with an employment concentration appreciably above the national share was healthcare support. In contrast, 7 of the 22 major occupational groups had a below-average presence in Boston -- food preparation and serving related; sales and related; farming, fishing, and forestry; construction and extraction; installation, maintenance, and repair; production; and transportation and material moving occupations. The four remaining occupational groups in Boston -- the previously mentioned education, training, and library; protective service, building, grounds cleaning and maintenance, and personal care and service -- had employment shares that did not differ significantly from the national distribution.

¹ The Boston metropolitan area referenced in this release includes parts of the following counties: Bristol, Essex, Middlesex, Norfolk, Plymouth, Suffolk, and Worcester in Mass., and Rockingham in N.H..

² Managerial and professional specialty jobs include: management; business and financial operations; computer and mathematical; architecture and engineering; life, physical, and social science; community and social service; legal; education, training, and library; arts, design, entertainment, sports, and media; and healthcare practitioners and technical occupations.

Chart 1. Wage distribution in the United States and the Boston metropolitan area by major occupational group



As noted, earnings for jobs within management and legal occupations were at the high-end of the wage scale, averaging \$49.07 and \$45.21 per hour, respectively; workers in both of these groups were better paid than their national counterparts averaging \$41.87 and \$39.03 per hour, respectively. (See table A.) Within management, chief executives (\$70.70 per hour) and natural sciences managers (\$65.20) were among the highest paid. Management jobs comprised 7.3 percent of the Boston workforce versus 4.7 percent nationally; this occupational group had one of the larger employment shares within the metropolitan area. (See chart 2.) On the other hand, legal workers employed only a small share of both the local and national workforces (1 percent or less). Among the highest paid in the legal field were lawyers who earned, on average, \$60.25 per hour in Boston compared with \$53.17 in the U.S. and judges,

magistrate judges, and magistrates who earned \$50.90 locally and \$44.28 nationally. Lawyers comprised 57 percent of all legal jobs in Boston compared with 54-percent share nationwide.

Table A. Occupational employment and wages by major occupational group, United States and Boston metropolitan area, November 2004

Major occupational group	Employment as a percent of total		Average (mean) hourly wage	
	United States	Boston	United States	Boston
Total	100.0	100.0	\$18.00	\$23.50
Management	4.7	7.3	41.87	49.07
Business and financial operations	4.1	5.7	27.46	32.68
Computer and mathematical	2.3	4.4	31.91	37.51
Architecture and engineering	1.8	2.7	30.32	34.19
Life, physical and social science	0.9	1.6	27.67	31.71
Community and social services	1.3	1.6	17.81	19.45
Legal	0.8	1.0	39.03	45.21
Education, training and library	6.2	6.0	20.58	25.35
Arts, design, entertainment, sports and media	1.3	1.7	21.07	24.42
Healthcare practitioners and technical	5.0	6.1	28.03	31.06
Healthcare support	2.6	2.8	11.30	13.66
Protective service	2.4	2.4	16.94	19.08
Food preparation and serving related	8.2	7.6	8.47	10.39
Building and grounds cleaning and maintenance	3.3	3.4	10.42	12.57
Personal care and service	2.4	2.3	10.62	13.23
Sales and related	10.6	10.0	15.52	19.40
Office and administrative support	17.5	17.6	14.13	17.17
Farming, fishing and forestry	0.3	0.1	9.94	13.06
Construction and extraction	4.9	3.6	18.21	25.36
Installation, maintenance and repair	4.1	3.0	18.09	22.25
Production	7.9	4.4	14.18	16.61
Transportation and material moving	7.4	4.7	13.58	15.34

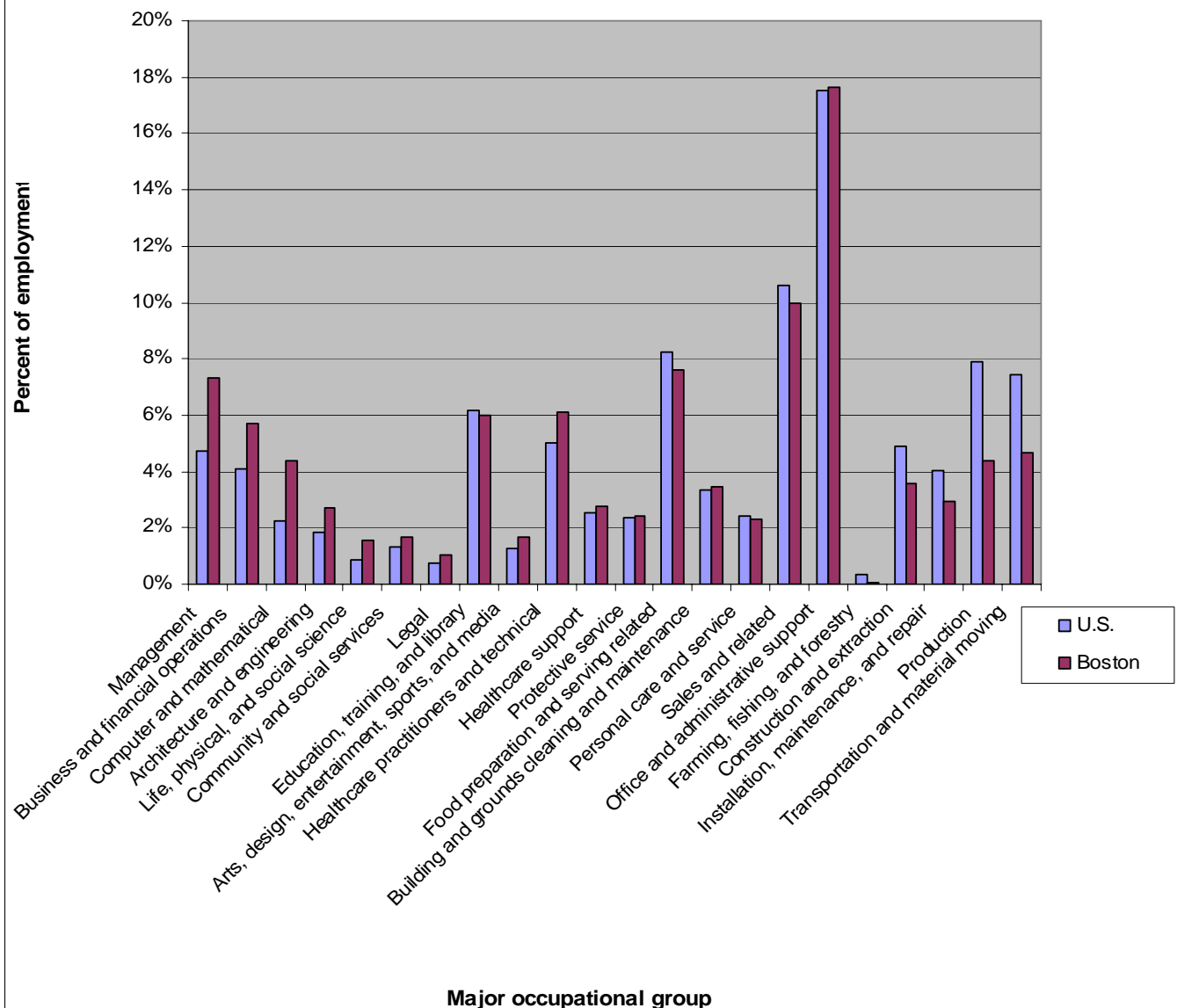
The largest occupational group in Boston was office and administrative support comprising nearly one-fifth of all workers. Employees in this occupational group averaged \$17.17 an hour compared to \$14.13 nationally. First-line supervisors/managers of office and administrative support workers and postal service clerks who earned \$25.74 and \$23.33 per hour, respectively, were among the highest paid. Hotel, motel, and resort desk clerks were at the lower end averaging \$11.48 per hour. About 1 in 10 jobs in the Boston area were sales and related jobs, about the same as the employment share for the nation.

Sales and related jobs earned \$19.40 per hour on average, well above the \$15.52 earned nationally. Wages paid to insurance sales agents and real estate brokers in Boston contributed to the difference. Such workers earned \$48.36 and \$46.53 per hour, respectively, compared to \$27.07 and \$36.22 per hour, nationally.

The concentration of education, training, and library jobs in Boston is similar to the U.S. average of 6.2 percent; however, this occupational group is also much better paid locally than nationally -- \$25.35 versus \$20.58. The higher wage rate in Boston can be attributed to an above-average presence of higher-paying post-secondary teaching positions found in the colleges and universities.

The Boston metropolitan area had a larger than average share of workers in computer and mathematical jobs when compared to the U.S. distribution. The employment share of workers within this occupational group represented over 4 percent of the workforce in Boston compared with over 2 percent nationally. Such workers earned \$37.51 per hour locally compared to \$31.91 nationwide. Computer and information research scientists were among the highest paid in this occupational group, earning \$53.34 per hour. Workers in business and financial operations were also over-represented in Boston, comprising almost 6 percent of total employment, noticeably larger than the U.S. average of about 4 percent. These workers earned \$32.68 locally and \$27.46 nationally. Personal financial advisors were among the highest paid, earning \$49.39 per hour in Boston.

Chart 2. Employment distribution in the United States and the Boston metropolitan area by major occupational group



Health related occupations are represented by two major groupings, healthcare practitioners and technical, and healthcare support. Combined, the two occupational groups accounted for approximately 9 percent of total employment in the Boston area; nationally, these occupations made up almost 8 percent of the workforce. The larger of the two groups, healthcare practitioners and technical, comprised 6.1 percent of the employed, noticeably above the U.S average of 5 percent. The average wage for all healthcare practitioners and technical workers in the metropolitan area was \$31.06 an hour, above the national average of \$28.03. Within this group, average hourly earnings were widespread, ranging from \$88.10 per hour for surgeons to \$13.24 for pharmacy technicians.

Among the lowest paid in Boston were food preparation and serving related workers earning \$10.39 per hour, considerably higher than the U.S average of \$8.47, and comprising 7.6 percent of the local workforce, under the national average of 8.2 percent. Wages paid to chefs and head cooks, at \$15.98 per hour, were among the highest in this grouping. On the other end of the wage scale, combined food preparation and serving workers, including fast food, earned \$8.79 per hour.

Production workers have less of a presence in the Boston area than they do in the U.S., accounting for 4.4 percent of the workforce locally but almost 8 percent nationally. Similarly, the employment share of transportation and material moving workers in Boston comprised 4.7 percent of total employment compared with 7.4 percent for the nation. The average hourly wages for these two major occupational groups in Boston were \$16.61 and \$15.34 per hour, respectively.. Within production, nuclear power reactor operators were among the better paid earning \$32.17; in transportation and material moving jobs, air traffic controllers were among the higher paid at \$54.17 per hour.

The employment share of construction and extraction workers in Boston was also noticeably below the U.S average – 3.6 versus 4.9 percent; again, wages appreciably exceeded the U.S. average -- \$25.36 versus \$18.21. Locally, wages paid to reinforcing iron and rebar workers, elevator installers and repairers, and 1st-line supervisors/managers of construction trades and extraction workers at \$38.33, \$34.96 and \$33.46 an hour, respectively, were among the highest paid in this occupational group. This compares to wages of \$18.98, \$28.20, and \$26.31, respectively, at the national level.

Technical Note

Scope of the Survey

The Occupational Employment Statistics (OES) survey is a semiannual mail survey measuring occupational employment and wage rates for wage and salary workers in nonfarm establishments, by industry, in the United States, Guam, Puerto Rico, and the Virgin Islands. The nationwide response rate for the November 2004 survey was 78.7 percent for establishment units, covering 73.0 percent of weighted employment. The three-year sample in the Boston area included 10,040 establishments, with a response rate of 68 percent. The Boston metropolitan area referenced in this release includes parts of the following counties: Bristol, Essex, Middlesex, Norfolk, Plymouth, Suffolk, and Worcester in MA, and Rockingham in NH.

The OES survey samples and contacts establishments in May and November of each year and, over three years, contacts approximately 1.2 million establishments. While estimates can be made from a single year or two years of data, achieving the desired precision for OES survey estimates requires the full three years of sample. (See Estimation Methodology section.) The full sample allows the production of estimates at fine levels of geographic, industrial, and occupational detail. Survey estimates are based on data collected using the Standard Occupational Classification (SOC). A brief description of the SOC classification system is provided below.

The Occupational Classification System for November 2004

The OES survey uses the Office of Management and Budget's (OMB) occupational classification system, the Standard Occupational Classification (SOC) system. The SOC system is the first OMB-required occupational classification system for federal agencies. The OES survey categorizes workers in 1 of 801 detailed occupations. Together, these detailed occupations comprise 23 major occupational groups, one of which--military specific occupations--is not included in the OES survey. The major groups are as follows:

- Management occupations
- Business and financial operations occupations
- Computer and mathematical science occupations
- Architecture and engineering occupations
- Life, physical, and social science occupations
- Community and social services occupations
- Legal occupations
- Education, training, and library occupations
- Arts, design, entertainment, sports, and media occupations
- Healthcare practitioner and technical occupations
- Healthcare support occupations
- Protective service occupations
- Food preparation and serving related occupations
- Building and grounds cleaning and maintenance occupations
- Personal care and service occupations
- Sales and related occupations
- Office and administrative support occupations
- Farming, fishing, and forestry occupations
- Construction and extraction occupations
- Installation, maintenance, and repair occupations
- Production occupations

Transportation and material moving occupations
Military specific occupations (not surveyed in OES)

For more information about the SOC system, please see the Bureau of Labor Statistics (BLS) Web site at <http://www.bls.gov/soc>.

The Industry Coding System for November 2004

The OES survey currently uses the North American Industry Classification System (NAICS) to classify all establishments. An establishment is defined as an economic unit that processes goods or provides services, such as a factory, mine, or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The scope of the OES survey includes establishments in NAICS sectors 11 (logging and support activities for agriculture only), 21, 22, 23, 31-33, 42, 44-45, 48-49, 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, 81 (except private households), state government, and local government. Data for the U.S. Postal Service (most of NAICS code 4911) and the federal government are universe counts obtained from the Postal Service and the Office of Personnel Management, respectively.

Survey Sample

BLS funds the survey and provides the procedures and technical support, while the State Workforce Agencies (SWAs) collect the data. BLS produces cross-industry NAICS estimates for the nation, states, and metropolitan statistical areas (MSAs). NAICS estimates are produced primarily at the 4-digit level with some 5-digit exceptions. BLS releases all cross-industry and national estimates, and the SWAs release industry estimates at the state and MSA levels.

The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees, including workers on paid vacations or other types of leave; workers on unpaid short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station regardless of whether that unit prepares their paycheck. The survey excludes the self-employed, owners/partners of unincorporated firms, and unpaid family workers. Employees are reported in the occupation in which they are working, not necessarily for which they were trained.

States' Unemployment Insurance (UI) files provide the universe from which the OES survey draws its sample. The employment benchmarks are obtained from reports submitted by employers to the UI program. In some non-manufacturing industries, supplemental sources are used for establishments not reporting to the UI program. The OES survey sample is stratified by area, industry, and size class. Size classes are defined as follows:

Size class	Number of employees
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

UI reporting units with 250 or more employees are sampled with virtual certainty across a 3-year period. Generally, one-sixth of the certainty units are sampled each panel in each state.

Concepts

Employment is the estimate of total wage and salary employment in an occupation across the industries in which that occupation was reported. The OES survey form sent to an establishment contains between 50 and 225 SOC occupations selected on the basis of the sampled establishment's industry classification and size class. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected primarily from establishments in industries that are the predominant employers of workers in those occupations. Each survey form is structured, however, to allow a respondent to provide detailed occupational information for each worker at the establishment; that is, workers in unlisted occupations can have their occupations added to the survey form.

Wages for the OES survey are straight-time, gross pay, exclusive of premium pay. Base rate, cost-of-living allowances, guaranteed pay, hazardous-duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay are included. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost for supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation for each wage range. The wage intervals used for the November 2004 survey are as follows:

Interval	Wages	
	Hourly	Annual
Range A	Under \$6.75	Under \$14,040
Range B	\$6.75 to \$8.49	\$14,040 to \$17,679
Range C	\$8.50 to \$10.74	\$17,680 to \$22,359
Range D	\$10.75 to \$13.49	\$22,360 to \$28,079
Range E	\$13.50 to \$16.99	\$28,080 to \$35,359
Range F	\$17.00 to \$21.49	\$35,360 to \$44,719
Range G	\$21.50 to \$27.24	\$44,720 to \$56,679
Range H	\$27.25 to \$34.49	\$56,680 to \$71,759
Range I	\$34.50 to \$43.74	\$71,760 to \$90,999
Range J	\$43.75 to \$55.49	\$91,000 to \$115,439
Range K	\$55.50 to \$69.99	\$115,440 to \$145,599
Range L	\$70.00 and over	\$145,600 and over

Mean Hourly Wage. The mean hourly wage rate for an occupation is the total wages that all workers in the occupation earn in an hour divided by the total employment of the occupation. To calculate the mean hourly wage of each occupation, total weighted hourly wages are summed across all intervals and divided by the occupation's weighted survey employment. The mean wage for each interval is based on occupational wage data collected by the BLS Office of Compensation and Working Conditions for the National Compensation Survey (NCS).

The mean hourly wage value for the highest wage interval, \$70.00 and over, was computed separately for NCS data from (2004, 2003, 2002, and 2001). The average of these mean wage rates was used for all

of the \$70.00 and over data in the November 2004 survey. The wage rates for this interval do not go through any wage updating procedures.

Annual wage. Many employees are paid at an hourly rate by their employers and may work more than or less than 40 hours per week. Annual wage estimates for most occupations in this release are calculated by multiplying the mean hourly wage by a "year-round, full-time" figure of 2,080 hours (52 weeks by 40 hours). Thus, annual wage estimates may not represent the actual annual pay received by the employee if they work more or less than 2,080 hours per year. Some workers typically work less than full time, year round. For these occupations, the OES survey collects and reports either the annual salary or the hourly wage rate, depending on how the occupation is typically paid, but not both. For example, teachers, flight attendants, and pilots may be paid an annual salary, but do not work the usual 2,080 hours per year. In this case, an annual salary is reported.

Other workers, such as entertainment workers are paid hourly rates, but generally do not work full time, year round. For these workers, only an hourly wage is reported.

Hourly versus annual wage reporting. For each occupation, respondents are asked to report the number of employees paid within wage intervals. The intervals are defined both as hourly rates and the corresponding annual rates, where the annual rate for an occupation is calculated by multiplying the hourly wage rate by a typical work year of 2,080 hours. The responding establishment can reference either the hourly or the annual rate, but they are instructed to report the hourly rate for part-time workers.

Estimation Methodology

Each OES panel includes approximately 200,000 establishments. While estimates can be made with data from one panel or one year, the OES survey is designed to produce estimates using six panels (3 years) of data. The full six-panel sample of 1.2 million establishments allows the production of estimates at detailed levels of geography, industry, and occupation. Combining six panels of data is also necessary to obtain the full complement of certainty establishments. (Note: The first semiannual panel was in November 2002. Prior to that, about 400,000 establishments were surveyed annually. Each earlier sample is a two-panel equivalent.)

Wage Updating

Significant reductions in sampling errors are obtained by combining six panels of data, particularly for small geographic areas and occupations. Wages for the current panel need no adjustment. However, wages in the five previous panels need to be updated to the current panel's reference period.

The OES program uses the BLS Employment Cost Index (ECI) to adjust survey data from prior panels before combining them with the current panel's data. The wage updating procedure adjusts each detailed occupation's wage rate, as measured in the earlier panel, according to the average movement of its broader occupational division. The procedure assumes that there are no major differences by geography, industry, or detailed occupation within the occupational division.

November 2004 OES survey estimates

The November 2004 OES survey estimates are based on all data collected from establishments in the November 2004, May 2004, November 2003, May 2003, and November 2002 semiannual samples and about half of the 2001 annual sample. During estimates processing, OES employment data were benchmarked to the average employment for November 2004 and May 2004 from the BLS Quarterly Census of Employment and Wages.

Reliability of the estimates

Estimates calculated from a sample survey are subject to two types of error: sampling and nonsampling. Sampling error occurs when estimates are calculated from a subset (i.e., sample) of the population instead of the full population. When a sample of the population is surveyed, there is a chance that the sample estimate of the characteristic of interest may differ from the population value of that characteristic. Differences between the sample estimate and the population value will vary depending on the sample selected. This variability can be estimated by calculating the standard error (SE) of the sample estimate. If we were to repeat the sampling and estimation process countless times using the same survey design, approximately 90 percent of the intervals created by adding and subtracting 1.645 SEs from the sample estimate would include the population value. These intervals are called 90-percent confidence intervals. The OES survey, however, usually uses the relative standard error (RSE) of a sample estimate instead of its SE to measure sampling error. RSE is defined as the SE of a sample estimate divided by the sample estimate itself. This statistic provides the user with a measure of the relative precision of the sample estimate. RSEs are calculated for both occupational employment and mean wage rate estimates. Occupational employment RSEs are calculated using a subsample, random group replication technique called the jackknife. Mean wage rate RSEs are calculated using a variance components model that accounts for both the observed and unobserved components of the wage data. The variances of the unobserved components are estimated using wage data from the BLS National Compensation Survey. In general, estimates based on many establishments have lower RSEs than estimates based on few establishments. If the distributional assumptions of the models are violated, the resulting confidence intervals may not reflect the prescribed level of confidence.

Nonsampling error occurs for a variety of reasons, none of which are directly connected to sampling. Examples of nonsampling error include: nonresponse, data incorrectly reported by the respondent, mistakes made in entering collected data into the database, and mistakes made in editing and processing the collected data.

Additional information

Detailed data for the United States and all metropolitan statistical areas in the nation are available on the Internet at <http://www.bls.gov/oes>. Users also may access each occupation's definition, percentile wages, and additional technical details. Industry staffing patterns at the sector, 3-, 4-, and selected 5-digit NAICS levels are also available from the Internet. These data will include industry-specific occupational employment and wage data.

Complete survey results are available from the Boston Information Office by calling (617) 565-2327 or by emailing BLSinfoBoston@bls.gov. Survey results are also available from the Massachusetts State Department of Employment and Training at (617) 626-6535. Information in this release will be made available to sensory impaired individuals upon request. Voice phone: 202-691-5200; TDD message referral phone number: 1-800-877-8339.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
All occupations				
Management occupations				
Chief executives	13,330	70.70	147,060	(2)
General and operations managers	32,380	52.13	108,440	44.87
Legislators	360	(3)	37,350	(3)
Advertising and promotions managers	1,180	47.45	98,690	41.35
Marketing managers	5,940	56.27	117,040	53.96
Sales managers	7,740	54.32	112,980	50.10
Public relations managers	1,420	47.45	98,690	42.96
Administrative services managers	5,810	36.46	75,840	32.20
Computer and information systems managers	8,800	52.38	108,960	49.82
Financial managers	14,500	50.12	104,260	45.14
Compensation and benefits managers	1,520	48.87	101,660	43.30
Training and development managers	890	48.21	100,270	46.30
Human resources managers, all other	1,260	47.63	99,070	44.63
Industrial production managers	2,170	46.37	96,450	43.09
Purchasing managers	1,580	42.32	88,030	40.39
Transportation, storage, and distribution managers	1,230	35.33	73,480	31.15
Farm, ranch, and other agricultural managers	(4)	18.02	37,490	17.32
Construction managers	3,230	51.04	106,160	44.56
Education administrators, preschool and child care center/program	1,670	23.43	48,740	21.24
Education administrators, elementary and secondary school	2,700	(3)	84,020	(3)
Education administrators, postsecondary	4,080	40.74	84,750	34.19
Education administrators, all other	810	38.07	79,180	34.04
Engineering managers	4,170	56.88	118,310	54.15
Food service managers	4,250	21.58	44,890	20.52
Lodging managers	260	24.23	50,390	21.80
Medical and health services managers	4,520	40.66	84,570	38.36
Natural sciences managers	730	65.20	135,610	63.55
Postmasters and mail superintendents	110	30.26	62,940	30.17
Property, real estate, and community association managers	3,410	28.56	59,410	25.83
Social and community service managers	2,400	26.51	55,140	25.26
Managers, all other	7,460	43.58	90,650	40.05
Business and financial operations occupations				
Agents and business managers of artists, performers, and athletes	230	36.95	76,850	29.82
Purchasing agents and buyers, farm products	140	31.27	65,040	28.25
Wholesale and retail buyers, except farm products	2,970	22.50	46,800	20.38
Purchasing agents, except wholesale, retail, and farm products	4,950	28.51	59,290	26.88
Claims adjusters, examiners, and investigators	4,280	22.85	47,540	21.37
Insurance appraisers, auto damage	350	28.91	60,130	27.81
Compliance officers, except agriculture, construction, health and safety, and transportation	3,670	30.22	62,850	28.08
Cost estimators	2,960	36.89	76,720	33.09
Emergency management specialists	100	28.62	59,530	28.28
Employment, recruitment, and placement specialists	4,120	29.32	60,980	23.41
Compensation, benefits, and job analysis specialists	2,300	29.30	60,950	26.63
Training and development specialists	3,320	27.96	58,150	26.59
Human resources, training, and labor relations specialists, all other	1,910	29.99	62,390	28.09
Logisticians	1,370	34.89	72,570	32.79

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Management analysts	12,560	43.30	90,060	38.31
Meeting and convention planners	910	24.51	50,990	21.88
Business operations specialists, all other	13,390	30.18	62,780	28.44
Accountants and auditors	19,200	28.35	58,970	25.71
Appraisers and assessors of real estate	1,090	36.15	75,190	34.49
Budget analysts	1,290	35.32	73,460	33.24
Credit analysts	1,280	27.24	56,660	24.09
Financial analysts	6,860	37.78	78,570	33.29
Personal financial advisors	3,170	49.39	102,720	41.45
Insurance underwriters	2,470	34.39	71,540	30.28
Financial examiners	780	31.08	64,660	27.48
Loan counselors	550	22.68	47,180	21.07
Loan officers	5,410	42.78	88,980	38.58
Tax examiners, collectors, and revenue agents	1,010	30.79	64,040	31.32
Tax preparers	690	23.55	48,970	19.58
Computer and mathematical occupations				
Computer and information scientists, research	1,310	53.34	110,950	52.27
Computer programmers	7,960	37.25	77,470	37.03
Computer software engineers, applications	17,180	43.16	89,780	42.42
Computer software engineers, systems software	14,060	42.38	88,140	41.76
Computer support specialists	10,850	27.92	58,070	25.44
Computer systems analysts	13,850	34.74	72,250	34.56
Database administrators	3,010	35.52	73,880	35.16
Network and computer systems administrators	6,220	33.44	69,540	32.84
Network systems and data communications analysts	4,880	36.63	76,180	35.98
Computer specialists, all other	2,030	33.47	69,620	30.35
Actuaries	670	42.03	87,420	36.02
Mathematicians	30	39.01	81,130	34.80
Operations research analysts	1,610	37.67	78,350	34.92
Statisticians	340	34.84	72,470	32.51
Mathematical scientists, all other	50	31.91	66,370	28.55
Architecture and engineering occupations				
Architects, except landscape and naval	2,800	37.16	77,290	33.60
Landscape architects	750	28.62	59,540	25.28
Cartographers and photogrammetrists	(4)	20.90	43,470	19.77
Surveyors	380	24.09	50,100	23.31
Aerospace engineers	960	42.51	88,410	43.17
Biomedical engineers	1,040	40.83	84,930	40.15
Chemical engineers	950	40.28	83,780	38.13
Civil engineers	4,760	35.97	74,830	33.59
Computer hardware engineers	3,300	44.17	91,880	42.53
Electrical engineers	4,550	40.15	83,510	39.18
Electronics engineers, except computer	3,040	41.82	86,990	41.37
Environmental engineers	1,300	34.26	71,270	34.97
Health and safety engineers, except mining safety engineers and inspectors	570	36.76	76,460	35.68
Industrial engineers	3,780	36.11	75,120	35.43
Marine engineers and naval architects	(4)	27.31	56,800	26.17
Materials engineers	470	37.40	77,780	36.25
Mechanical engineers	4,980	39.91	83,020	38.23
Nuclear engineers	120	41.99	87,340	40.76
Engineers, all other	3,390	36.22	75,330	35.17
Architectural and civil drafters	2,200	23.85	49,610	22.92
Electrical and electronics drafters	590	25.62	53,290	24.75

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Mechanical drafters	1,660	23.39	48,650	23.59
Drafters, all other	110	23.39	48,650	21.67
Civil engineering technicians	660	21.19	44,070	20.37
Electrical and electronic engineering technicians	4,230	24.04	50,000	23.20
Electro-mechanical technicians	920	21.49	44,690	20.50
Environmental engineering technicians	200	23.59	49,060	21.09
Industrial engineering technicians	1,080	23.87	49,660	22.04
Mechanical engineering technicians	1,300	22.25	46,270	21.66
Engineering technicians, except drafters, all other	1,270	25.00	52,010	25.31
Surveying and mapping technicians	480	21.70	45,130	21.62
Life, physical, and social science occupations				
Food scientists and technologists	160	29.04	60,400	28.72
Biochemists and biophysicists	860	40.21	83,650	39.79
Microbiologists	490	32.95	68,540	28.63
Zoologists and wildlife biologists	(4)	27.96	58,160	27.07
Biological scientists, all other	280	32.74	68,090	32.29
Conservation scientists	80	29.11	60,560	25.72
Foresters	40	23.43	48,730	23.99
Epidemiologists	240	29.85	62,080	27.37
Medical scientists, except epidemiologists	4,100	34.66	72,100	30.47
Life scientists, all other	110	27.65	57,510	26.12
Astronomers	70	57.53	119,660	55.75
Physicists	530	53.16	110,570	50.49
Atmospheric and space scientists	570	26.88	55,920	24.48
Chemists	1,630	34.66	72,100	31.58
Materials scientists	310	45.10	93,810	40.04
Environmental scientists and specialists, including health	1,470	33.56	69,800	32.71
Geoscientists, except hydrologists and geographers	150	35.35	73,530	36.86
Hydrologists	40	38.51	80,100	39.31
Physical scientists, all other	440	40.71	84,670	39.84
Economists	590	31.14	64,770	26.37
Market research analysts	6,690	35.11	73,020	31.97
Survey researchers	470	19.28	40,100	18.81
Clinical, counseling, and school psychologists	1,840	29.14	60,610	27.08
Industrial-organizational psychologists	(4)	36.00	74,890	33.41
Psychologists, all other	210	34.13	70,990	36.42
Urban and regional planners	810	34.50	71,760	31.99
Social scientists and related workers, all other	940	31.43	65,380	29.58
Agricultural and food science technicians	50	16.12	33,520	15.64
Biological technicians	2,140	22.65	47,110	21.13
Chemical technicians	1,330	21.18	44,050	20.04
Nuclear technicians	250	31.87	66,290	32.68
Social science research assistants	500	22.46	46,710	20.14
Environmental science and protection technicians, including health	290	21.75	45,250	20.31
Life, physical, and social science technicians, all other	1,760	22.01	45,780	19.49
Community and social services occupations				
Substance abuse and behavioral disorder counselors	1,330	17.00	35,360	15.97
Educational, vocational, and school counselors	3,320	24.83	51,650	24.45
Marriage and family therapists	80	21.29	44,280	19.58
Mental health counselors	3,230	15.83	32,930	14.00

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Rehabilitation counselors	3,040	16.88	35,110	14.57
Counselors, all other	90	18.57	38,620	17.31
Child, family, and school social workers	4,360	21.96	45,670	21.78
Medical and public health social workers	2,700	22.49	46,770	22.16
Mental health and substance abuse social workers	2,560	21.11	43,900	19.90
Social workers, all other	(4)	20.09	41,800	19.79
Health educators	730	21.70	45,140	20.47
Probation officers and correctional treatment specialists	1,260	28.70	59,700	29.30
Social and human service assistants	6,750	15.26	31,740	14.12
Community and social service specialists, all other	950	16.04	33,360	14.68
Clergy	240	20.15	41,920	18.96
Directors, religious activities and education	(4)	14.91	31,010	12.23
Religious workers, all other	(4)	14.39	29,940	12.87
Legal occupations				
Lawyers	11,070	60.25	125,320	57.74
Administrative law judges, adjudicators, and hearing officers	150	37.98	79,000	32.38
Arbitrators, mediators, and conciliators	60	34.88	72,550	31.00
Judges, magistrate judges, and magistrates	510	50.90	105,870	55.69
Paralegals and legal assistants	5,950	23.40	48,670	22.61
Court reporters	(4)	28.82	59,950	26.73
Law clerks	310	21.50	44,720	22.33
Title examiners, abstractors, and searchers	150	20.87	43,420	19.29
Legal support workers, all other	900	19.04	39,610	17.31
Education, training, and library occupations				
Business teachers, postsecondary	1,400	(3)	113,850	(3)
Computer science teachers, postsecondary	560	(3)	92,790	(3)
Mathematical science teachers, postsecondary	780	(3)	79,680	(3)
Architecture teachers, postsecondary	190	(3)	93,680	(3)
Engineering teachers, postsecondary	1,030	(3)	100,090	(3)
Biological science teachers, postsecondary	1,310	(3)	121,250	(3)
Atmospheric, earth, marine, and space sciences teachers, postsecondary	180	(3)	100,760	(3)
Chemistry teachers, postsecondary	370	(3)	86,690	(3)
Environmental science teachers, postsecondary	90	(3)	77,970	(3)
Physics teachers, postsecondary	480	(3)	94,010	(3)
Anthropology and archeology teachers, postsecondary	110	(3)	76,610	(3)
Area, ethnic, and cultural studies teachers, postsecondary	310	(3)	73,970	(3)
Economics teachers, postsecondary	320	(3)	101,670	(3)
Political science teachers, postsecondary	340	(3)	85,200	(3)
Psychology teachers, postsecondary	520	(3)	72,410	(3)
Sociology teachers, postsecondary	360	(3)	75,070	(3)
Social sciences teachers, postsecondary, all other	180	(3)	74,270	(3)
Health specialties teachers, postsecondary	3,290	(3)	97,870	(3)
Nursing instructors and teachers, postsecondary	500	(3)	66,190	(3)
Education teachers, postsecondary	530	(3)	62,830	(3)
Library science teachers, postsecondary	40	(3)	(5)	(3)
Criminal justice and law enforcement teachers, postsecondary	130	(3)	56,820	(3)
Law teachers, postsecondary	600	(3)	114,590	(3)
Social work teachers, postsecondary	90	(3)	53,860	(3)
Art, drama, and music teachers, postsecondary	2,120	(3)	58,490	(3)

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Communications teachers, postsecondary	250	(3)	65,580	(3)
English language and literature teachers, postsecondary	930	(3)	62,390	(3)
Foreign language and literature teachers, postsecondary	420	(3)	61,190	(3)
History teachers, postsecondary	380	(3)	76,470	(3)
Philosophy and religion teachers, postsecondary	330	(3)	76,100	(3)
Graduate teaching assistants	3,170	(3)	44,820	(3)
Recreation and fitness studies teachers, postsecondary	100	(3)	59,580	(3)
Vocational education teachers, postsecondary	1,210	23.55	48,990	20.57
Postsecondary teachers, all other	3,920	28.21	58,680	25.25
Preschool teachers, except special education	7,670	13.85	28,820	12.91
Kindergarten teachers, except special education	2,380	(3)	51,920	(3)
Elementary school teachers, except special education	17,230	(3)	54,930	(3)
Middle school teachers, except special and vocational education	9,000	(3)	55,170	(3)
Vocational education teachers, middle school	(4)	(3)	43,350	(3)
Secondary school teachers, except special and vocational education	12,890	(3)	55,530	(3)
Vocational education teachers, secondary school	1,380	(3)	54,170	(3)
Special education teachers, preschool, kindergarten, and elementary school	3,480	(3)	49,340	(3)
Special education teachers, middle school	1,690	(3)	46,950	(3)
Special education teachers, secondary school	1,890	(3)	48,770	(3)
Adult literacy, remedial education, and GED teachers and instructors	1,110	24.13	50,200	22.12
Self-enrichment education teachers	2,590	19.95	41,500	18.07
Teachers and instructors, all other	2,520	(3)	43,260	(3)
Archivists	200	24.22	50,370	19.89
Curators	320	27.16	56,500	22.87
Museum technicians and conservators	200	20.34	42,310	19.56
Librarians	3,390	26.94	56,020	26.01
Library technicians	2,280	16.10	33,480	16.05
Audio-visual collections specialists	140	22.47	46,740	22.53
Instructional coordinators	1,780	28.52	59,320	29.16
Teacher assistants	15,080	(3)	25,190	(3)
Education, training, and library workers, all other	340	21.67	45,080	19.75
Arts, design, entertainment, sports, and media occupations				
Art directors	710	38.26	79,590	35.49
Fine artists, including painters, sculptors, and illustrators	320	19.85	41,290	18.31
Multi-media artists and animators	940	23.19	48,240	20.29
Artists and related workers, all other	100	18.39	38,250	16.98
Commercial and industrial designers	790	25.65	53,350	24.81
Fashion designers	470	31.93	66,400	29.65
Floral designers	640	15.24	31,710	15.28
Graphic designers	3,310	25.02	52,040	23.19
Interior designers	810	26.15	54,380	22.16
Merchandise displayers and window trimmers	1,140	13.63	28,340	12.50
Set and exhibit designers	110	26.55	55,220	24.72
Designers, all other	140	28.12	58,500	28.72
Actors	520	16.88	(6)	12.39
Producers and directors	1,370	27.52	57,240	24.92
Athletes and sports competitors	(4)	(3)	80,600	(3)
Coaches and scouts	2,740	(3)	34,440	(3)
Umpires, referees, and other sports officials	150	(3)	34,820	(3)

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Dancers	170	(5)	(6)	(5)
Choreographers	60	33.92	70,560	36.61
Music directors and composers	40	30.53	63,490	23.74
Musicians and singers	560	25.91	(6)	20.75
Radio and television announcers	490	22.32	46,420	14.84
Public address system and other announcers	40	47.88	99,600	18.39
Reporters and correspondents	720	24.22	50,380	19.03
Public relations specialists	5,220	28.61	59,510	26.31
Editors	3,120	26.05	54,180	23.32
Technical writers	1,660	32.23	67,050	31.79
Writers and authors	920	28.55	59,380	24.81
Interpreters and translators	540	18.97	39,450	18.11
Media and communication workers, all other	520	21.28	44,270	20.33
Audio and video equipment technicians	660	17.74	36,900	16.75
Broadcast technicians	620	19.37	40,290	17.00
Sound engineering technicians	(4)	18.78	39,070	17.41
Photographers	790	14.91	31,020	14.06
Camera operators, television, video, and motion picture	410	21.62	44,970	21.52
Film and video editors	350	25.77	53,600	29.78
Media and communication equipment workers, all other	120	29.08	60,480	30.77
Healthcare practitioners and technical occupations				
Chiropractors	140	40.81	84,880	41.16
Dentists, general	1,330	62.71	130,430	55.36
Oral and maxillofacial surgeons	(4)	86.48	179,870	(2)
Dietitians and nutritionists	1,200	22.27	46,310	21.36
Optometrists	330	37.19	77,360	35.67
Pharmacists	2,890	38.72	80,550	39.66
Anesthesiologists	210	58.68	122,060	45.34
Family and general practitioners	540	70.67	146,980	69.69
Internists, general	660	71.91	149,570	67.85
Obstetricians and gynecologists	270	83.30	173,270	(2)
Pediatricians, general	690	69.70	144,980	69.32
Psychiatrists	660	64.35	133,850	62.17
Surgeons	1,080	88.10	183,250	(2)
Physicians and surgeons, all other	3,870	57.04	118,650	53.19
Physician assistants	730	34.54	71,830	34.29
Podiatrists	60	64.12	133,370	56.19
Registered nurses	48,790	32.06	66,680	31.91
Audiologists	160	27.55	57,300	26.87
Occupational therapists	2,120	28.58	59,450	27.78
Physical therapists	3,450	29.51	61,380	28.86
Radiation therapists	590	37.36	77,710	33.47
Recreational therapists	520	15.97	33,220	15.21
Respiratory therapists	1,300	23.60	49,080	23.89
Speech-language pathologists	1,860	28.10	58,450	28.04
Therapists, all other	(4)	24.32	50,580	24.71
Veterinarians	360	30.31	63,050	29.09
Health diagnosing and treating practitioners, all other	2,040	32.56	67,730	25.64
Medical and clinical laboratory technologists	3,660	24.86	51,700	24.99
Medical and clinical laboratory technicians	4,800	17.20	35,770	16.40
Dental hygienists	3,120	35.64	74,130	33.30
Cardiovascular technologists and technicians	740	23.80	49,500	22.95
Diagnostic medical sonographers	620	33.23	69,110	32.48
Nuclear medicine technologists	230	30.80	64,070	31.10

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Radiologic technologists and technicians	2,970	29.64	61,640	28.97
Emergency medical technicians and paramedics	2,730	17.42	36,230	15.63
Dietetic technicians	690	16.41	34,140	11.31
Pharmacy technicians	3,410	13.24	27,530	12.73
Psychiatric technicians	350	15.43	32,100	15.11
Respiratory therapy technicians	180	24.06	50,050	22.50
Surgical technologists	920	19.80	41,170	19.65
Veterinary technologists and technicians	760	15.96	33,200	15.68
Licensed practical and licensed vocational nurses	8,690	22.28	46,350	22.48
Medical records and health information technicians	3,180	14.45	30,050	13.52
Opticians, dispensing	780	24.01	49,930	20.51
Orthotists and prosthetists	30	23.49	48,850	22.24
Health technologists and technicians, all other	460	21.08	43,840	19.87
Occupational health and safety specialists	850	32.58	67,760	31.10
Occupational health and safety technicians	70	19.53	40,610	19.08
Athletic trainers	(4)	(3)	30,300	(3)
Healthcare practitioners and technical workers, all other	550	21.53	44,790	19.14
Healthcare support occupations				
Home health aides	7,050	11.08	23,050	11.14
Nursing aides, orderlies, and attendants	23,160	12.91	26,850	12.72
Psychiatric aides	4,440	13.55	28,180	13.43
Occupational therapist assistants	450	19.03	39,580	19.09
Occupational therapist aides	40	16.30	33,900	13.75
Physical therapist assistants	870	19.50	40,550	19.41
Physical therapist aides	600	12.22	25,420	11.07
Massage therapists	700	19.44	40,440	17.43
Dental assistants	3,420	16.81	34,970	16.48
Medical assistants	4,410	15.19	31,600	15.00
Medical equipment preparers	900	14.08	29,280	13.79
Medical transcriptionists	1,760	18.65	38,790	18.78
Pharmacy aides	1,100	9.77	20,320	9.26
Veterinary assistants and laboratory animal caretakers	1,700	13.54	28,160	12.94
Healthcare support workers, all other	2,210	15.23	31,680	14.79
Protective service occupations				
First-line supervisors/managers of correctional officers	50	34.86	72,510	31.80
First-line supervisors/managers of police and detectives	1,630	35.32	73,470	33.86
First-line supervisors/managers of fire fighting and prevention workers	930	31.41	65,330	30.17
First-line supervisors/managers, protective service workers, all other	810	22.61	47,030	20.55
Fire fighters	6,300	22.95	47,740	21.27
Fire inspectors and investigators	140	26.01	54,090	25.50
Correctional officers and jailers	4,880	23.90	49,710	24.37
Detectives and criminal investigators	830	32.63	67,860	33.35
Fish and game wardens	40	23.59	49,070	24.17
Parking enforcement workers	570	15.50	32,230	15.17
Police and sheriff's patrol officers	8,040	23.54	48,960	23.20
Animal control workers	200	16.98	35,310	15.52
Private detectives and investigators	190	15.25	31,720	13.92
Security guards	16,240	12.00	24,970	11.45
Crossing guards	1,180	11.34	23,590	11.28
Lifeguards, ski patrol, and other recreational				

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
protective service workers	1,410	10.31	21,450	9.83
Protective service workers, all other	1,380	16.92	35,190	15.33
Food preparation and serving related occupations				
Chefs and head cooks	2,780	15.98	33,230	13.67
First-line supervisors/managers of food preparation and serving workers	7,170	15.54	32,320	14.24
Cooks, fast food	3,260	10.48	21,790	9.94
Cooks, institution and cafeteria	3,660	12.92	26,870	12.72
Cooks, restaurant	9,910	12.08	25,130	12.00
Cooks, short order	1,620	11.03	22,930	10.48
Cooks, all other	320	14.70	30,580	13.67
Food preparation workers	13,520	9.96	20,720	9.34
Bartenders	9,030	10.67	22,200	9.68
Combined food preparation and serving workers, including fast food	29,460	8.79	18,280	8.27
Counter attendants, cafeteria, food concession, and coffee shop	10,500	8.93	18,580	8.56
Waiters and waitresses	32,070	10.51	21,850	10.17
Food servers, nonrestaurant	3,550	10.56	21,960	9.87
Dining room and cafeteria attendants and bartender helpers	4,930	9.33	19,400	8.36
Dishwashers	7,800	8.91	18,540	8.47
Hosts and hostesses, restaurant, lounge, and coffee shop	4,920	9.71	20,190	9.42
Food preparation and serving related workers, all other	290	10.52	21,870	9.51
Building and grounds cleaning and maintenance occupations				
First-line supervisors/managers of housekeeping and janitorial workers	3,380	18.03	37,510	16.22
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	1,530	22.64	47,090	20.98
Janitors and cleaners, except maids and housekeeping cleaners	38,150	11.96	24,870	11.33
Maids and housekeeping cleaners	12,200	10.48	21,800	10.30
Pest control workers	570	15.45	32,130	15.31
Landscaping and groundskeeping workers	9,280	13.65	28,390	12.98
Pesticide handlers, sprayers, and applicators, vegetation	70	15.27	31,770	14.98
Tree trimmers and pruners	(4)	22.94	47,710	23.46
Grounds maintenance workers, all other	190	13.87	28,840	13.23
Personal care and service occupations				
Gaming supervisors	50	18.68	38,850	18.88
Slot key persons	(4)	13.15	27,360	11.31
First-line supervisors/managers of personal service workers	2,120	17.65	36,720	15.97
Animal trainers	40	12.36	25,710	10.38
Nonfarm animal caretakers	920	10.75	22,360	9.89
Gaming and sports book writers and runners	(4)	9.15	19,020	8.61
Motion picture projectionists	80	10.58	22,000	10.29
Ushers, lobby attendants, and ticket takers	1,320	10.18	21,180	8.88
Amusement and recreation attendants	1,800	9.95	20,700	9.26
Costume attendants	50	21.17	44,040	19.37
Locker room, coatroom, and dressing room attendants	280	9.83	20,450	9.78
Funeral attendants	260	(5)	(5)	(5)
Hairdressers, hairstylists, and cosmetologists	4,720	14.07	29,270	12.62
Manicurists and pedicurists	(4)	10.73	22,330	10.35

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Shampooers	310	8.52	17,710	8.31
Skin care specialists	790	18.05	37,550	15.34
Baggage porters and bellhops	570	10.89	22,640	10.09
Concierges	1,380	12.57	26,150	12.38
Tour guides and escorts	380	10.42	21,670	9.83
Flight attendants	2,440	(3)	46,880	(3)
Transportation attendants, except flight attendants and baggage porters	830	11.10	23,090	10.22
Child care workers	6,810	10.87	22,620	10.65
Personal and home care aides	5,240	10.62	22,090	10.31
Fitness trainers and aerobics instructors	4,210	16.77	34,880	13.13
Recreation workers	3,720	13.14	27,320	12.32
Residential advisors	1,740	13.07	27,180	12.09
Personal care and service workers, all other	700	12.84	26,710	11.93
Sales and related occupations				
First-line supervisors/managers of retail sales workers	13,830	19.72	41,010	18.13
First-line supervisors/managers of non-retail sales workers	4,610	38.85	80,800	33.51
Cashiers	38,270	9.26	19,260	8.51
Counter and rental clerks	4,440	11.24	23,380	9.66
Parts salespersons	1,900	15.68	32,610	14.37
Retail salespersons	62,850	11.72	24,370	9.88
Advertising sales agents	2,300	24.34	50,620	19.47
Insurance sales agents	3,350	48.36	100,580	43.56
Securities, commodities, and financial services sales agents	4,980	43.32	90,100	32.04
Travel agents	2,170	18.39	38,260	18.17
Sales representatives, services, all other	5,630	29.07	60,470	27.68
Sales representatives, wholesale and manufacturing, technical and scientific products	12,190	36.79	76,520	34.04
Sales representatives, wholesale and manufacturing, except technical and scientific products	22,380	31.76	66,060	26.53
Demonstrators and product promoters	1,430	13.90	28,910	13.06
Real estate brokers	240	46.53	96,770	40.63
Real estate sales agents	550	27.03	56,210	20.96
Sales engineers	2,270	44.86	93,300	41.07
Telemarketers	3,710	14.79	30,760	12.88
Door-to-door sales workers, news and street vendors, and related workers	(4)	13.80	28,710	12.30
Sales and related workers, all other	2,540	23.85	49,600	20.64
Office and administrative support occupations				
First-line supervisors/managers of office and administrative support workers	17,410	25.74	53,540	24.05
Switchboard operators, including answering service	3,030	12.61	26,240	12.42
Telephone operators	610	15.41	32,060	15.05
Bill and account collectors	5,210	17.04	35,450	16.36
Billing and posting clerks and machine operators	8,250	16.38	34,070	15.72
Bookkeeping, accounting, and auditing clerks	26,920	18.00	37,440	17.09
Payroll and timekeeping clerks	3,530	19.41	40,360	17.98
Procurement clerks	1,040	17.84	37,110	17.80
Tellers	7,660	12.65	26,320	12.49
Brokerage clerks	2,460	17.84	37,100	17.14
Correspondence clerks	430	13.06	27,160	12.45
Court, municipal, and license clerks	430	19.10	39,730	18.54

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Credit authorizers, checkers, and clerks	620	17.52	36,430	14.70
Customer service representatives	32,210	18.10	37,660	16.85
Eligibility interviewers, government programs	1,120	19.12	39,780	18.67
File clerks	3,320	11.78	24,500	11.11
Hotel, motel, and resort desk clerks	1,790	11.48	23,870	10.99
Interviewers, except eligibility and loan	2,840	15.15	31,510	14.74
Library assistants, clerical	1,690	13.05	27,150	12.85
Loan interviewers and clerks	1,480	18.33	38,130	17.85
New accounts clerks	200	15.88	33,030	15.99
Order clerks	3,190	15.44	32,120	15.08
Human resources assistants, except payroll and timekeeping	2,420	18.93	39,380	18.51
Receptionists and information clerks	13,280	13.05	27,140	12.66
Reservation and transportation ticket agents and travel clerks	2,220	16.73	34,790	17.09
All other information and record clerks	2,740	22.13	46,040	19.67
Cargo and freight agents	1,050	17.46	36,310	17.70
Couriers and messengers	1,570	11.90	24,740	11.20
Police, fire, and ambulance dispatchers	1,460	16.52	34,350	15.98
Dispatchers, except police, fire, and ambulance	1,920	19.25	40,030	17.14
Meter readers, utilities	390	18.85	39,210	19.05
Postal service clerks	1,550	23.33	48,520	23.83
Postal service mail carriers	5,520	22.17	46,110	22.71
Postal service mail sorters, processors, and processing machine operators	2,650	20.91	43,490	21.46
Production, planning, and expediting clerks	4,190	20.96	43,600	20.83
Shipping, receiving, and traffic clerks	10,300	14.46	30,080	13.71
Stock clerks and order fillers	23,070	12.42	25,830	11.00
Weighers, measurers, checkers, and samplers, recordkeeping	910	16.48	34,280	15.64
Executive secretaries and administrative assistants	30,440	20.92	43,520	20.30
Legal secretaries	5,310	22.20	46,180	22.87
Medical secretaries	14,190	16.57	34,460	15.91
Secretaries, except legal, medical, and executive	26,180	16.88	35,110	16.55
Computer operators	2,230	17.61	36,620	16.33
Data entry keyers	5,160	13.78	28,670	13.45
Word processors and typists	1,330	16.64	34,610	16.05
Desktop publishers	950	21.01	43,690	20.68
Insurance claims and policy processing clerks	2,920	17.96	37,360	17.81
Mail clerks and mail machine operators, except postal service	2,810	13.21	27,480	12.62
Office clerks, general	35,970	14.67	30,510	14.16
Office machine operators, except computer	1,550	12.66	26,340	12.16
Proofreaders and copy markers	730	15.09	31,390	13.16
Statistical assistants	400	18.18	37,810	17.69
Farming, fishing, and forestry occupations				
First-line supervisors/managers of farming, fishing, and forestry workers	50	25.90	53,860	28.22
Graders and sorters, agricultural products	440	11.71	24,350	9.39
Farmworkers and laborers, crop, nursery, and greenhouse	440	12.16	25,300	10.30
Farmworkers, farm and ranch animals	(4)	11.20	23,290	11.36
Forest and conservation workers	80	19.87	41,330	19.73
Construction and extraction occupations				
First-line supervisors/managers of construction trades				

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
and extraction workers	5,370	33.46	69,590	32.17
Boilermakers	(4)	21.54	44,810	20.43
Brickmasons and blockmasons	1,290	32.07	66,710	33.29
Stonemasons	(4)	21.14	43,960	20.11
Carpenters	11,360	24.31	50,560	24.33
Carpet installers	190	26.56	55,240	29.52
Floor layers, except carpet, wood, and hard tiles	(4)	19.53	40,620	16.74
Tile and marble setters	350	32.07	66,700	31.71
Cement masons and concrete finishers	800	22.31	46,400	17.35
Construction laborers	9,420	21.32	44,350	22.62
Paving, surfacing, and tamping equipment operators	280	19.84	41,260	18.77
Pile-driver operators	120	32.14	66,850	28.78
Operating engineers and other construction equipment operators	3,840	27.07	56,320	27.62
Drywall and ceiling tile installers	440	26.42	54,950	28.11
Tapers	180	26.23	54,550	28.65
Electricians	8,760	29.50	61,370	31.21
Glaziers	340	28.11	58,470	30.34
Insulation workers, floor, ceiling, and wall	690	23.82	49,540	20.95
Insulation workers, mechanical	(4)	30.82	64,100	31.40
Painters, construction and maintenance	3,230	20.28	42,190	18.67
Paperhangers	(4)	23.40	48,680	25.24
Pipelayers	270	21.32	44,350	19.17
Plumbers, pipefitters, and steamfitters	8,660	27.71	57,630	28.42
Plasterers and stucco masons	(4)	25.04	52,070	25.47
Reinforcing iron and rebar workers	390	38.33	79,730	35.09
Roofers	920	18.21	37,880	18.84
Sheet metal workers	1,720	24.38	50,700	22.61
Structural iron and steel workers	710	28.23	58,720	29.47
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters	880	20.45	42,540	18.35
Helpers--carpenters	670	13.44	27,950	13.02
Helpers--electricians	1,280	15.44	32,120	15.05
Helpers--painters, paperhangers, plasterers, and stucco masons	60	14.86	30,900	13.79
Helpers--pipelayers, plumbers, pipefitters, and steamfitters	(4)	15.54	32,320	15.34
Helpers--roofers	240	13.40	27,870	14.18
Helpers, construction trades, all other	(4)	15.61	32,480	14.57
Construction and building inspectors	1,450	22.47	46,730	22.72
Elevator installers and repairers	640	34.96	72,720	36.71
Fence erectors	180	15.74	32,730	15.07
Hazardous materials removal workers	300	19.82	41,230	19.05
Highway maintenance workers	800	18.20	37,860	17.91
Septic tank servicers and sewer pipe cleaners	120	18.18	37,810	16.71
Construction and related workers, all other	280	19.99	41,570	18.14
Earth drillers, except oil and gas	150	22.64	47,090	20.41
Installation, maintenance, and repair occupations				
First-line supervisors/managers of mechanics, installers, and repairers	4,410	32.43	67,460	29.79
Computer, automated teller, and office machine repairers	2,920	19.98	41,550	19.58
Telecommunications equipment installers and repairers, except line installers	3,450	26.91	55,960	28.67
Electric motor, power tool, and related repairers	160	17.90	37,230	18.36
Electrical and electronics installers and repairers,				

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
transportation equipment	(4)	18.16	37,770	17.83
Electrical and electronics repairers, commercial and industrial equipment	540	23.61	49,120	23.35
Electronic equipment installers and repairers, motor vehicles	(4)	15.06	31,310	14.99
Security and fire alarm systems installers	210	20.34	42,300	19.49
Aircraft mechanics and service technicians	810	26.58	55,290	25.82
Automotive body and related repairers	2,490	29.78	61,940	23.00
Automotive service technicians and mechanics	8,200	20.99	43,670	19.70
Bus and truck mechanics and diesel engine specialists	2,060	22.37	46,520	21.55
Farm equipment mechanics	(4)	22.82	47,460	23.20
Mobile heavy equipment mechanics, except engines	1,010	22.64	47,090	21.13
Motorboat mechanics	380	18.42	38,310	17.86
Motorcycle mechanics	60	17.95	37,340	18.98
Outdoor power equipment and other small engine mechanics	140	18.50	38,480	18.87
Bicycle repairers	(4)	14.12	29,360	13.91
Tire repairers and changers	550	11.77	24,470	10.76
Control and valve installers and repairers, except mechanical door	410	22.17	46,110	20.71
Heating, air conditioning, and refrigeration mechanics and installers	3,300	23.90	49,710	23.16
Home appliance repairers	440	19.33	40,200	18.99
Industrial machinery mechanics	1,490	22.38	46,550	22.70
Maintenance and repair workers, general	13,290	17.87	37,170	17.66
Maintenance workers, machinery	530	18.91	39,330	17.85
Millwrights	380	21.50	44,720	20.87
Electrical power-line installers and repairers	910	26.21	54,530	27.03
Telecommunications line installers and repairers	2,870	26.18	54,450	28.64
Camera and photographic equipment repairers	30	15.19	31,600	15.57
Medical equipment repairers	450	23.13	48,120	23.11
Musical instrument repairers and tuners	90	16.91	35,160	16.49
Watch repairers	(4)	24.41	50,770	24.74
Precision instrument and equipment repairers, all other	160	25.75	53,570	25.07
Coin, vending, and amusement machine servicers and repairers	380	17.32	36,020	16.45
Locksmiths and safe repairers	180	19.86	41,310	19.93
Riggers	(4)	15.04	31,280	12.92
Helpers--installation, maintenance, and repair workers	1,150	13.66	28,420	12.95
Installation, maintenance, and repair workers, all other	1,210	20.53	42,690	20.18
Production occupations				
First-line supervisors/managers of production and operating workers	6,360	26.33	54,760	25.35
Coil winders, tapers, and finishers	100	14.35	29,850	14.85
Electrical and electronic equipment assemblers	4,250	16.43	34,170	15.55
Electromechanical equipment assemblers	2,310	15.51	32,270	15.38
Structural metal fabricators and fitters	640	19.07	39,670	18.77
Fiberglass laminators and fabricators	40	14.56	30,280	14.39
Team assemblers	8,030	13.81	28,730	12.85
Timing device assemblers, adjusters, and calibrators	40	17.35	36,080	16.40
Assemblers and fabricators, all other	1,570	14.88	30,950	13.46
Bakers	2,390	13.11	27,270	12.25
Butchers and meat cutters	810	18.83	39,160	19.23
Meat, poultry, and fish cutters and trimmers	590	13.11	27,270	11.86
Food and tobacco roasting, baking, and drying				

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
machine operators and tenders	180	12.76	26,540	13.14
Food batchmakers	1,050	11.75	24,440	11.21
Food cooking machine operators and tenders	290	12.54	26,070	12.16
Computer-controlled machine tool operators, metal and plastic	1,550	16.87	35,100	16.47
Numerical tool and process control programmers	170	24.68	51,340	24.95
Extruding and drawing machine setters, operators, and tenders, metal and plastic	370	14.99	31,180	14.58
Rolling machine setters, operators, and tenders, metal and plastic	110	13.00	27,030	12.28
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	1,590	15.67	32,580	14.30
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	270	21.07	43,820	20.96
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	1,220	16.23	33,750	14.38
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	520	20.53	42,710	20.47
Milling and planing machine setters, operators, and tenders, metal and plastic	370	22.09	45,940	22.00
Machinists	3,860	20.86	43,390	20.32
Pourers and casters, metal	30	16.08	33,460	16.02
Model makers, metal and plastic	80	21.86	45,460	23.39
Patternmakers, metal and plastic	(4)	21.04	43,760	21.53
Foundry mold and coremakers	80	17.72	36,860	15.98
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	900	14.15	29,430	13.69
Multiple machine tool setters, operators, and tenders, metal and plastic	710	16.41	34,130	16.26
Tool and die makers	570	22.17	46,120	21.37
Welders, cutters, solderers, and brazers	1,610	19.02	39,560	18.51
Welding, soldering, and brazing machine setters, operators, and tenders	560	19.98	41,570	21.46
Heat treating equipment setters, operators, and tenders, metal and plastic	230	17.69	36,790	19.03
Lay-out workers, metal and plastic	(4)	20.41	42,450	20.54
Plating and coating machine setters, operators, and tenders, metal and plastic	640	15.33	31,880	14.70
Tool grinders, filers, and sharpeners	240	13.87	28,850	13.51
Metal workers and plastic workers, all other	(4)	14.96	31,110	14.33
Bindery workers	710	16.25	33,810	17.06
Bookbinders	280	16.34	33,990	16.12
Job printers	(4)	14.36	29,870	13.42
Prepress technicians and workers	1,560	16.92	35,200	17.59
Printing machine operators	2,220	18.50	38,480	17.41
Laundry and dry-cleaning workers	2,760	10.73	22,330	10.25
Pressers, textile, garment, and related materials	1,000	9.77	20,310	9.70
Sewing machine operators	1,490	11.48	23,880	10.40
Shoe and leather workers and repairers	(4)	12.60	26,210	10.84
Sewers, hand	70	11.40	23,720	11.06
Tailors, dressmakers, and custom sewers	600	15.50	32,250	15.69
Textile bleaching and dyeing machine operators and tenders	110	14.62	30,400	15.09
Textile cutting machine setters, operators, and tenders	160	15.20	31,620	14.45
Textile knitting and weaving machine setters, operators, and tenders	80	10.81	22,490	10.62

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
Textile winding, twisting, and drawing out machine setters, operators, and tenders	(4)	11.22	23,350	11.42
Upholsterers	100	12.47	25,940	11.78
Textile, apparel, and furnishings workers, all other	(4)	12.82	26,660	11.43
Cabinetmakers and bench carpenters	1,230	16.24	33,770	15.99
Furniture finishers	220	13.65	28,400	13.47
Sawing machine setters, operators, and tenders, wood	30	16.73	34,790	16.19
Woodworking machine setters, operators, and tenders, except sawing	(4)	12.89	26,820	11.64
Nuclear power reactor operators	(4)	32.17	66,920	32.26
Power plant operators	190	25.23	52,480	25.04
Stationary engineers and boiler operators	780	22.05	45,860	20.69
Water and liquid waste treatment plant and system operators	550	21.05	43,790	20.53
Chemical plant and system operators	180	21.32	44,340	20.56
Gas plant operators	220	24.26	50,460	24.35
Plant and system operators, all other	(4)	16.77	34,870	18.34
Chemical equipment operators and tenders	470	18.76	39,030	18.33
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	200	19.50	40,570	18.59
Crushing, grinding, and polishing machine setters, operators, and tenders	230	16.14	33,580	16.01
Grinding and polishing workers, hand	580	15.30	31,830	15.39
Mixing and blending machine setters, operators, and tenders	810	14.82	30,820	14.19
Cutters and trimmers, hand	220	11.87	24,690	11.75
Cutting and slicing machine setters, operators, and tenders	690	14.89	30,970	14.85
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	310	13.94	29,000	13.96
Furnace, kiln, oven, drier, and kettle operators and tenders	60	16.90	35,160	16.03
Inspectors, testers, sorters, samplers, and weighers	5,100	19.25	40,040	17.21
Jewelers and precious stone and metal workers	410	17.87	37,170	18.41
Dental laboratory technicians	370	19.56	40,690	19.36
Medical appliance technicians	(4)	16.86	35,070	16.11
Ophthalmic laboratory technicians	710	12.69	26,390	12.40
Packaging and filling machine operators and tenders	2,510	12.57	26,150	11.99
Coating, painting, and spraying machine setters, operators, and tenders	870	15.19	31,600	13.98
Painters, transportation equipment	120	24.59	51,140	22.60
Painting, coating, and decorating workers	290	14.06	29,250	13.05
Photographic process workers	240	13.51	28,100	10.88
Photographic processing machine operators	500	11.81	24,570	10.96
Cementing and gluing machine operators and tenders	190	14.81	30,800	15.29
Cleaning, washing, and metal pickling equipment operators and tenders	200	13.55	28,180	13.58
Etchers and engravers	90	12.67	26,360	11.25
Molders, shapers, and casters, except metal and plastic	200	18.10	37,640	16.86
Paper goods machine setters, operators, and tenders	940	15.06	31,330	15.07
Helpers--production workers	2,910	11.91	24,770	11.22
Production workers, all other	590	17.63	36,670	14.23
Transportation and material moving occupations				
Aircraft cargo handling supervisors	70	19.69	40,950	15.15

See footnotes at end of table.

Table 1. Employment and wage data from the Occupational Employment Statistics survey, by occupation, Boston metropolitan area, November 2004--Continued

Occupation	Employment	Mean wages		Median hourly wages
		Hourly	Annual ¹	
First-line supervisors/managers of helpers, laborers, and material movers, hand	1,730	21.45	44,620	20.42
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	1,710	25.18	52,380	24.31
Airline pilots, copilots, and flight engineers	1,090	(3)	148,970	(3)
Commercial pilots	120	(3)	48,840	(3)
Air traffic controllers	70	54.17	112,680	56.33
Ambulance drivers and attendants, except emergency medical technicians	280	12.85	26,730	13.51
Bus drivers, school	5,500	13.94	29,000	13.15
Driver/sales workers	3,320	14.46	30,090	13.96
Truck drivers, heavy and tractor-trailer	12,930	19.77	41,120	19.66
Truck drivers, light or delivery services	10,240	15.16	31,540	14.36
Taxi drivers and chauffeurs	2,760	11.43	23,770	10.77
Motor vehicle operators, all other	840	10.05	20,900	9.54
Sailors and marine oilers	190	13.54	28,170	11.75
Captains, mates, and pilots of water vessels	270	16.84	35,030	13.74
Motorboat operators	(4)	13.93	28,980	10.92
Parking lot attendants	2,990	9.82	20,420	9.60
Service station attendants	1,830	9.44	19,630	8.73
Traffic technicians	50	21.82	45,400	20.14
Transportation workers, all other	390	18.60	38,680	19.02
Conveyor operators and tenders	240	14.96	31,120	14.03
Crane and tower operators	290	29.13	60,600	26.69
Excavating and loading machine and dragline operators	620	27.39	56,960	27.94
Industrial truck and tractor operators	3,690	14.87	30,930	14.21
Cleaners of vehicles and equipment	2,670	11.36	23,630	10.70
Laborers and freight, stock, and material movers, hand	21,060	12.39	25,770	11.30
Machine feeders and offbearers	840	12.48	25,960	11.33
Packers and packagers, hand	8,600	10.10	21,010	9.42
Refuse and recyclable material collectors	1,070	17.23	35,830	17.24
Material moving workers, all other	1,040	19.17	39,870	20.05

1 Annual wages have been calculated by multiplying the hourly mean wage by a 'year-round, full-time' hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

2 Represents a wage above \$70.00 per hour.

3 Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

4 Indicates that an employment estimate is not available.

5 Indicates that a wage estimate is not available.

6 There is a wide variation in the number of hours worked by those employed as actors, dancers, singers, and musicians. Many jobs are for the duration of 1 day or 1 week, and it is extremely rare for a performer to have guaranteed employment for a period that exceeds 3 to 6 months. Therefore only hourly wages are available for these occupations.